

CLAIMS

What is claimed is:

1. An air spring and shock absorber module comprising:
an air spring defining an air volume, said air spring surrounding a portion of a shock absorber, said shock absorber extending within said air spring; and
a control for avoiding an undesirably high temperature within said air spring by replacing hotter air with cooler air.
2. A module as set forth in Claim 1, wherein said control incorporates a temperature responsive valve that opens to allow air to leave said air volume if a predetermined temperature is reached.
3. A module as set forth in Claim 2, wherein a leveling valve is operative to deliver said cooler air into said air spring should said temperature responsive valve open to allow air to leave said air volume.
4. A module as set forth in claim 2, wherein said temperature responsive valve is mounted in an end of said air spring.

5. An air spring and shock absorber module and system for reducing and regulating the air temperature within the air spring comprising:

an air spring defining an air volume, said air spring surrounding a portion of a shock absorber, said shock absorber extending within said air spring;

a temperature responsive valve provided on said air spring to monitor temperature within said air spring and to release hot air from said air volume when a predetermined temperature is reached;

an air supply line for providing air from a vehicle's air supply system; and

a leveling valve on said air supply line for enabling the flow of air from said air supply line into said air volume when a suspension which is to be attached to said shock module moves due to a release of hot air from said air volume.